



## Material Safety Data Sheet

### POLYTRADE

Rua Nunes Machado, 3233 – Parolin

Curitiba – PR CEP: 80220-071 Brazil

Phone : +55 (41) 3268-3521

[Polytrade.com.br](http://Polytrade.com.br)

Version 4 – DATE 31/10/2011

# Carbofen<sup>®</sup> NCX

Company/undertaking identification    Polytrade Indústria e Comércio Ltda.  
Rua Nunes Machado 3233 - Parolin  
CEP: 80220-071  
Curitiba - PR – Brazil

Telephone number for emergency: +55 (41) 3268-3521

### 1. PRODUCT IDENTIFICATION

Product Name:                    Carbofen<sup>®</sup> NCX  
Chemical/Common Name:    Dark Resin  
CAS:                                65997-04-8

### 2. COMPOSITION OF SUBSTANCE

Ingredient	CAS Number
Dark Resin	65997-04-8
Caustic Soda	

### 3. HAZARDS IDENTIFICATION

- 1.1 Inhalation and skin contact are expected to be primary routes of occupational exposure. Dust may cause slight eye irritation or mechanical injury;
- 1.2 Dust may cause slight skin irritation.

### 4. FIRST AID MEASURES

- 4.1 Eye contact: Wash with plenty of water for particle removal;
- 4.2 Skin contact: Wash with water and soap;
- 4.3 After inhalation: Expose person to fresh air;
- 4.4 After ingestion: NA.

### 5. FIRE FIGHTING MEASURES

- 5.1 Suitable mean: Water is recommended;
- 5.2 Unsuitable mean: None;
- 5.3 Instructions: Flammable dust when finely divided and suspended in the air;
- 5.4 Special protective equipment for firefighters: None.



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## 6. ACCIDENTAL RELEASE MEASURES

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- 6.1 Personal protection: see 8.3;
- 6.2 Environmental precautions: Avoid dispersion into municipal water or river courses. Avoid dispersion into the air;
- 6.3 Clean up: Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices.

## 7. HANDLING AND STORAGE

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- 7.1 Handling: Avoid dispersion of dust into the air - keep containers dry and closed;
- 7.2 Storage: Store in normal conditions not above 35 °C;
- 7.3 Materials for packaging: Plastic bags.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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- 8.1 Recommended engineering controls: Investigate engineering techniques to reduce exposures to dust, provide ventilation if necessary;
- 8.2 TLV value: N.E.;
- 8.3 Personal protection:
  - 8.3.1 Eye protection: Used safety glasses. Wash with plenty of water for particles removal;
  - 8.3.2 Skin protection: Wash skin after handling;
  - 8.3.3 Respiratory protection: Use respiratory protection equipment for dust.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance (at 20 ° C):	Powder
Odor:	Pine characteristics odor
Color:	Amber color
pH value:	N. A.
Boiling point/boiling range:	N. A.
Melting point/melting range:	N. A.
Flash point:	101 - 107 °C
Auto-ignition point:	N.E.
Explosion limits:	N. A.
Vapor pressure (at 20 ° C):	N. A.
Relative density (at 20 ° C):	N. A.
Water solubility:	Insoluble
Soluble in:	Acetone, Ethanol
Relative vapor density:	N. A.
Saturation concentration:	N. A.
Viscosity:	N. A.



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## 10. STABILITY AND REACTIVITY

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10.1 Stability: Stable;

10.2 Reactivity: Avoid dust, formation and keep away of open flames, sparks, smoking, static electricity and electrical discharges.

## 11. TOXICOLOGICAL INFORMATION

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### SKIN ABSORPTION

11.1 Acute effects

No evidence of harmful effects from available information.

11.2 Test results

Acute toxicity LD50 – Rat

Result > 2,000 mg/kg

Remark: Very low order of toxicity

### SWALLOWING

11.3 Acute effects

No evidence of harmful effects from available information.

11.4 Test results

Acute toxicity LD50 – Rat

Result > 2,000 mg/kg

Remark: Very low order of toxicity

### SKIN CONTACT

11.5 Acute effects

No evidence of harmful effects from available information.

11.6 Test results

Skin irritation Species: Rabbit

Results: No irritation

### EYE CONTACT

11.7 Acute effects

No evidence of harmful effects from available information.

11.8 Test result

Eye irritation: Species: Rabbit

Results: No irritation

### SENSITIZATION

11.9 Test result Species: Guinea pigs



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Results: did not produce sensitization

### 12. ECOLOGICAL INFORMATION

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#### AQUATIC TOXICITY

- 12.1 Acute toxicity fish: LC50 – Zebra fish  
Result: 4.1 mg/L  
Exposure time: 96 hours
- 12.2 Acute toxicity fish: NOEC – Zebra fish  
Result: 2 mg/L  
Exposure time: 96 hours
- 12.3 Acute toxicity to aquatic invertebrates: EC50 – Daphnia similis  
Result: 5.01 mg/L  
Exposure: 48 hours  
Remark: Endpoint: Immobilization
- 12.4 Biodegradation:
- 12.4.1 Soil: T1/25 N.E. days  
BOD N.E. g O<sub>2</sub>/g substances  
COD N.E. g O<sub>2</sub>/g substances
- 12.4.2 Water: N.E.

### 13. WASTE DISPOSAL CONSIDERATIONS

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Dispose in accordance with local, state and federal regulations

- 13.1 Identification Number (UN Number):
- 13.1.1 Transport by railroad / road (ADR/RID): not dangerous.
- 13.1.2 Transport by sea (Boat/Vessel) (code IMDG): not dangerous.
- 13.1.3 Inland Navigation (ADNR): not dangerous.
- 13.1.4 Air freight (ICAO): not dangerous.

### 14. TRANSPORT INFORMATION

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- 14.1 Substance identification number (UN number):
- 14.2 Transport by road/rail (ADR/RID): Not dangerous.
- 14.3 Maritime transport (IMDG code): Not dangerous.
- 14.4 Inland navigation (ADNR): Not dangerous.



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14.5 Air freight (ICAO): Not dangerous.

### **15. REGULATORY INFORMATION**

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Labeling according to EC directives 67/548/EEC.